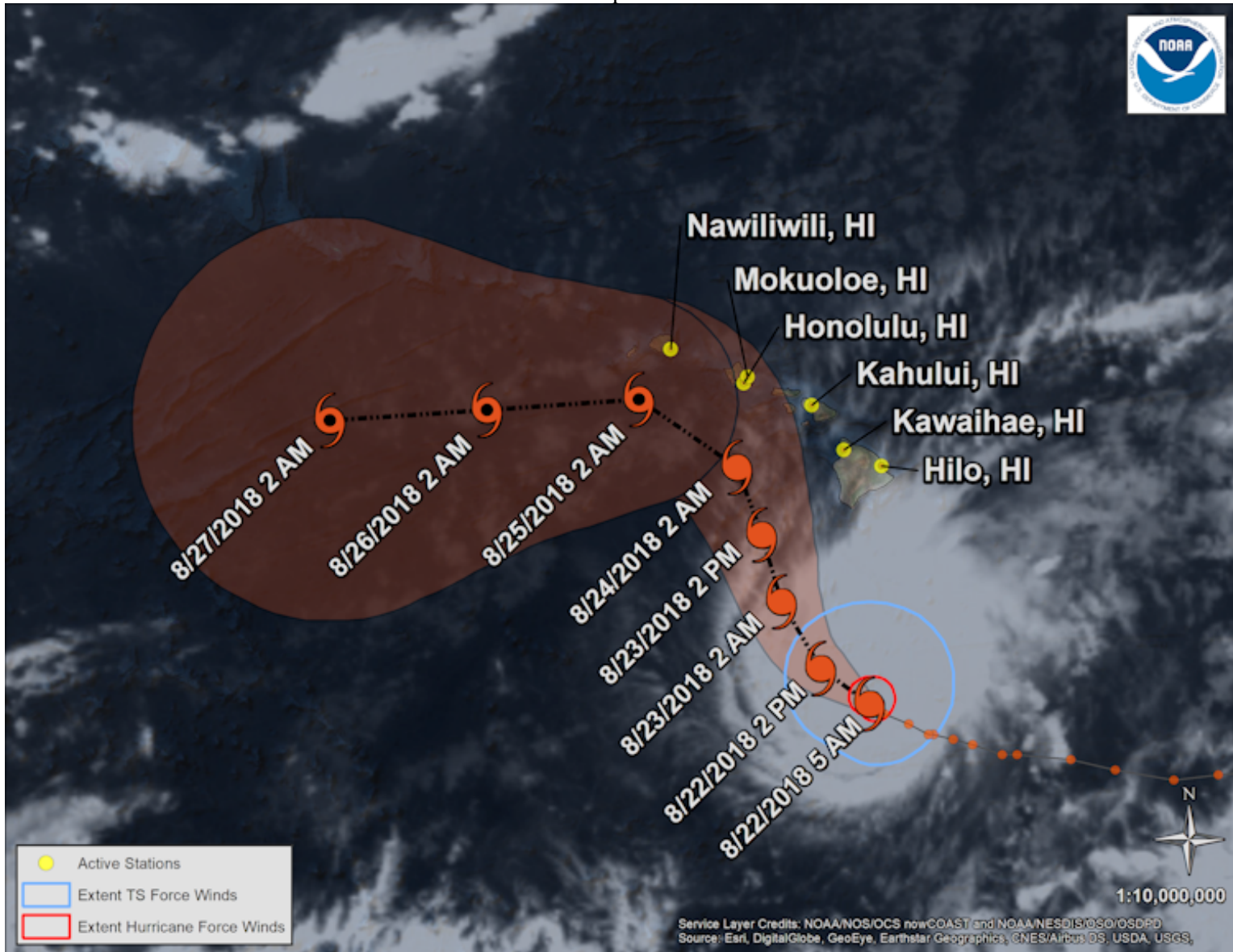




Hurricane Lane QuickLook  
Posted: 06:00 HST 08/22/2018

#### NOAA and NOAA Partnership Stations Relative to the Storm



#### Storm Analysis

As of 8/22/2018 06:00 HST water levels across the Hawaiian Islands are slightly elevated and generally range between 0.2 and 0.6 feet above normal tide levels. Winds of 5-15 knots are being observed across the region with gusts up to 20 knots being recorded at Kahului, HI. Barometric pressure trending downward across the region.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional real-time and historical inundation information for select stations affected by this storm, please visit Coastal Inundation Dashboard. For additional data, please see the Center for Operational Oceanographic Products & Services website.

For more information or archived products and reports, please visit the Storm QuickLook Homepage.

Analyst: RCL

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Select Central Pacific Hurricane Center Advisory Information:

Hurricane Lane Advisory Number 32  
NWS Central Pacific Hurricane Center Honolulu HI  
500 AM HST Wed Aug 22 2018

...POWERFUL HURRICANE LANE CONTINUES MOVING WEST NORTHWESTWARD  
TOWARD THE MAIN HAWAIIAN ISLANDS...

SUMMARY OF 500 AM HST...1500 UTC...INFORMATION

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LOCATION...15.1N 155.3W  
ABOUT 315 MI...505 KM S OF KAILUA-KONA HAWAII  
ABOUT 460 MI...740 KM SSE OF HONOLULU HAWAII  
MAXIMUM SUSTAINED WINDS...155 MPH...250 KM/H  
PRESENT MOVEMENT...WNW OR 290 DEGREES AT 9 MPH...15 KM/H  
MINIMUM CENTRAL PRESSURE...935 MB...27.61 INCHES

WATCHES AND WARNINGS

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CHANGES WITH THIS ADVISORY:

A Hurricane Warning has been issued for...  
\* Maui County...including the islands of Maui, Lanai, Molokai and  
Kahoolawe

A Hurricane Watch has been issued for...  
\* Kauai

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A Hurricane Warning is in effect for...  
\* Hawaii County  
\* Maui County...including the islands of Maui, Lanai, Molokai and  
Kahoolawe

A Hurricane Watch is in effect for...

- \* Oahu
- \* Kauai

A Hurricane Warning means that hurricane conditions are expected somewhere within the warning area. A warning is typically issued 36 hours before the anticipated first occurrence of tropical-storm-force winds, conditions that make outside preparations difficult or dangerous. Preparations to protect life and property should be rushed to completion.

A Hurricane Watch means that hurricane conditions are possible within the watch area. A watch is typically issued 48 hours before the anticipated first occurrence of tropical-storm-force winds, conditions that make outside preparations difficult or dangerous.

Interests elsewhere in the main Hawaiian Islands, and across the Northwestern Hawaiian Islands, should continue to closely monitor the progress of Hurricane Lane. Additional Tropical Storm or Hurricane Watches or Warnings may be issued tonight or Wednesday.

For storm information specific to your area, please monitor products issued by the National Weather Service office in Honolulu Hawaii.

## DISCUSSION AND OUTLOOK

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At 500 AM HST (1500 UTC), the center of Hurricane Lane was located near latitude 15.1 North, longitude 155.3 West. Lane is moving toward the west-northwest near 9 mph (15 km/h) and this motion is expected to become northwest later today, followed by a turn to the north-northwest on Thursday. On the forecast track, the center of Lane will move very close to or over the main Hawaiian Islands from Thursday through Saturday.

Maximum sustained winds are near 155 mph (250 km/h) with higher gusts. Lane is a category 4 hurricane on the Saffir-Simpson Hurricane Wind Scale. Some weakening is forecast during the next 48 hours, but Lane is forecast to remain a dangerous hurricane as it draws closer to the Hawaiian Islands.

Hurricane-force winds extend outward up to 40 miles (65 km) from the center and tropical-storm-force winds extend outward up to 140 miles (220 km).

The estimated minimum central pressure is 935 mb (27.61 inches).

## HAZARDS AFFECTING LAND

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WIND: Tropical storm conditions are expected within the

Hurricane Warning area beginning late tonight into early Thursday morning, with hurricane conditions expected somewhere within the warning area on Thursday. Tropical storm conditions are possible within the Hurricane Watch area beginning Thursday into Thursday night, with hurricane conditions possible late Thursday night into Friday.

RAINFALL: Excessive rainfall associated with Lane is expected to affect portions of the Hawaiian Islands from late today into the weekend, leading to flash flooding and landslides. Lane is expected to produce total rain accumulations of 10 to 15 inches with isolated amounts greater than 20 inches over the Hawaiian Islands.

SURF: Large swells generated by Lane will impact the Hawaiian Islands, beginning this morning on the Big Island, spreading across the remainder of the island chain on today. These swells will produce large and potentially damaging surf along exposed west, south and east facing shorelines.

#### NEXT ADVISORY

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Next intermediate advisory at 800 AM HST.

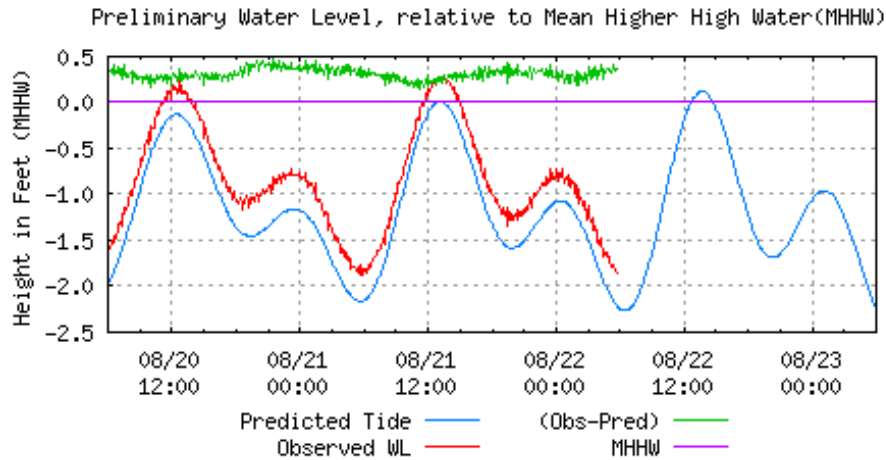
Next complete advisory at 1100 AM HST.

Forecaster Powell

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Hilo, Hilo Bay, Kuhio Bay - Water Level](#), [Hilo, Hilo Bay, Kuhio Bay - Winds](#), [Hilo, Hilo Bay, Kuhio Bay - Barometric](#), [Kawaihae - Water Level](#), [Kawaihae - Winds](#), [Kawaihae - Barometric](#), [Kahului, Kahului Harbor - Water Level](#), [Kahului, Kahului Harbor - Winds](#), [Kahului, Kahului Harbor - Barometric](#), [Mokuoloe - Water Level](#), [Mokuoloe - Winds](#), [Mokuoloe - Barometric](#), [Honolulu - Water Level](#), [Honolulu - Winds](#), [Honolulu - Barometric](#), [Nawiliwili - Water Level](#), [Nawiliwili - Winds](#), [Nawiliwili - Barometric](#)

NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI



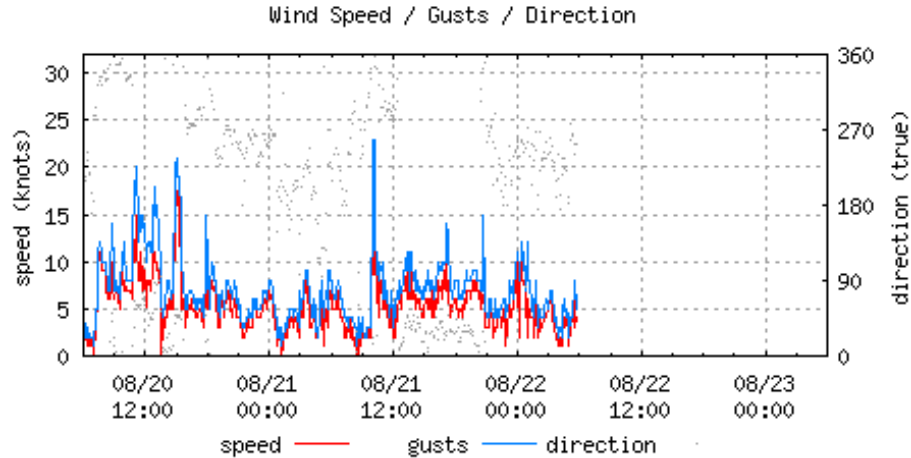
Last Observed Sample: 08/22/2018 05:42 (HST). Data relative to MHHW

Observed: -1.85 ft. Predicted: -2.21 ft. Residual: 0.36 ft.

Historical Maximum Water Level: Jul 24 2017, 1.54 ft.

Next High Tide: 08/22/2018 13:41 (HST), 0.12 ft.

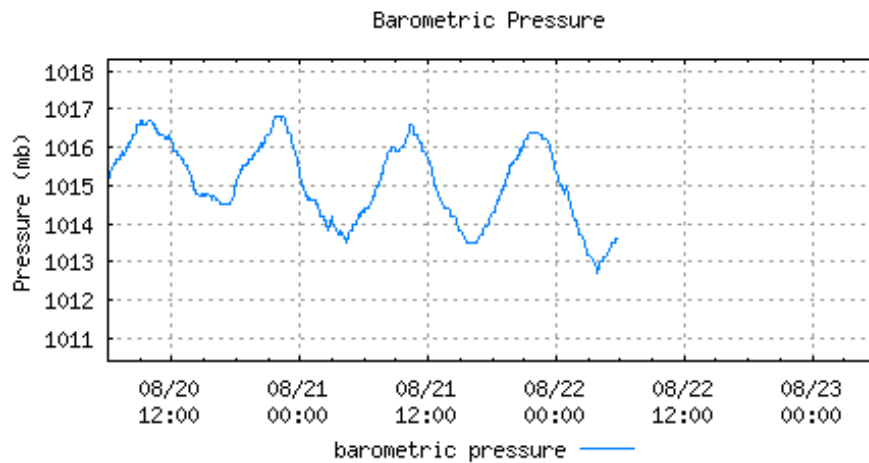
NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI



Last Observed Sample: 08/22/2018 05:42 (HST)

Wind Speed: 4 knots Gusts: 5 knots Direction: 252° T

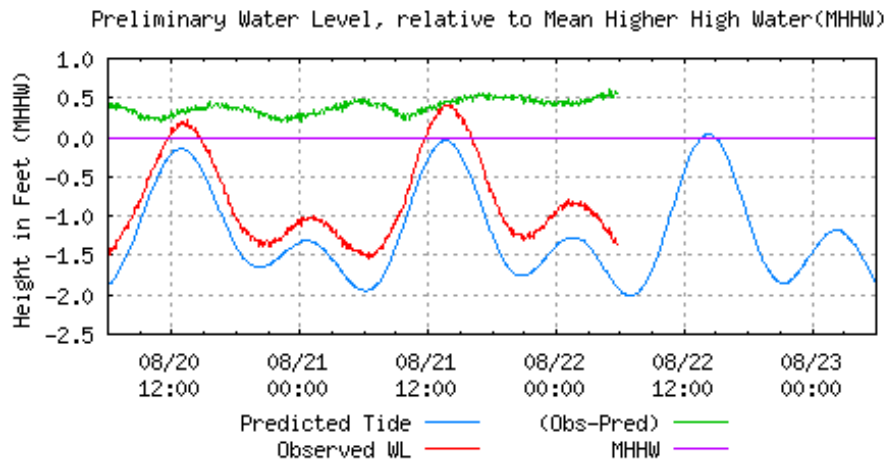
NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI



Last Observed Sample: 08/22/2018 05:42 (HST)

Barometric Pressure: 1013.6 mb

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI



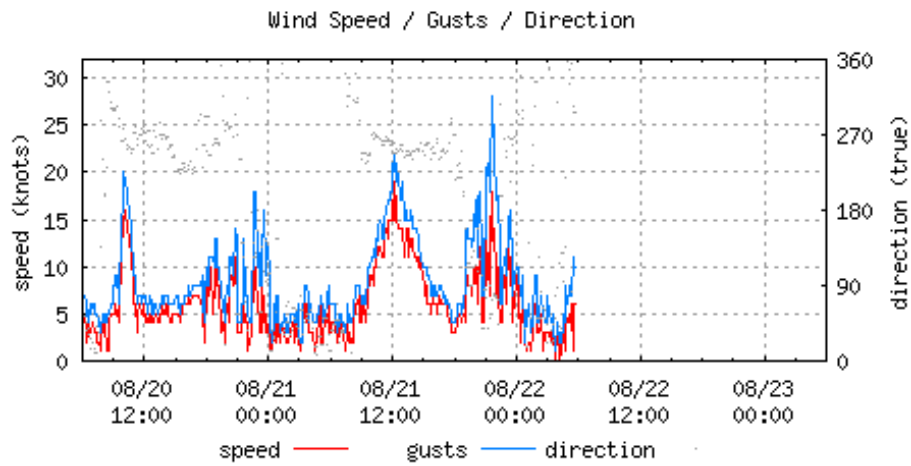
Last Observed Sample: 08/22/2018 05:42 (HST). Data relative to MHHW

Observed: -1.35 ft. Predicted: -1.90 ft. Residual: 0.55 ft.

Historical Maximum Water Level: Dec 15 2016, 1.33 ft.

Next High Tide: 08/22/2018 14:16 (HST), 0.04 ft.

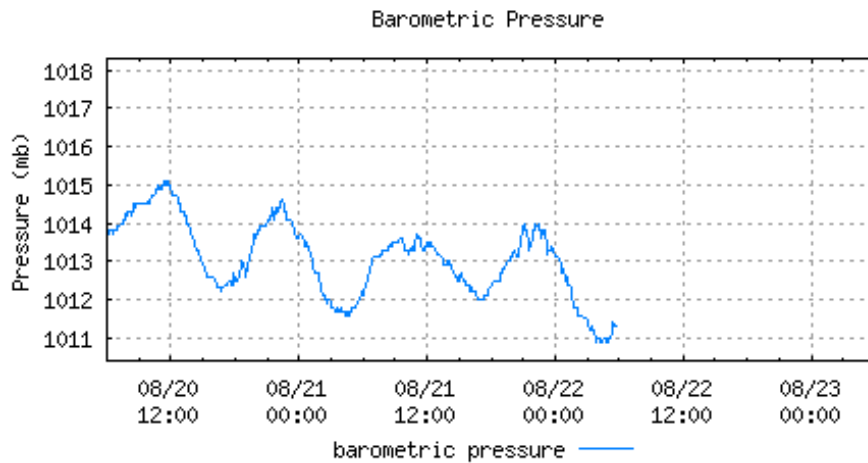
NOAA/NOS/CO-OPS 1617433 Kawaihae, HI



Last Observed Sample: 08/22/2018 05:42 (HST)

Wind Speed: 6 knots Gusts: 10 knots Direction: 296° T

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI

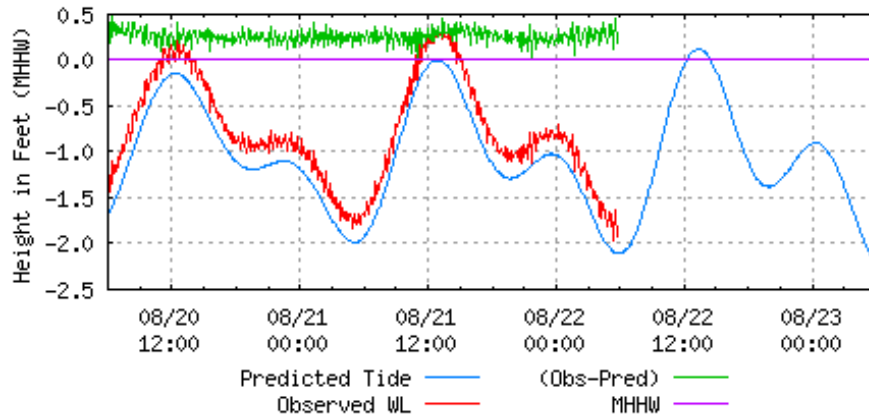


Last Observed Sample: 08/22/2018 05:42 (HST)

Barometric Pressure: 1011.3 mb

NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 08/22/2018 05:42 (HST). Data relative to MHHW

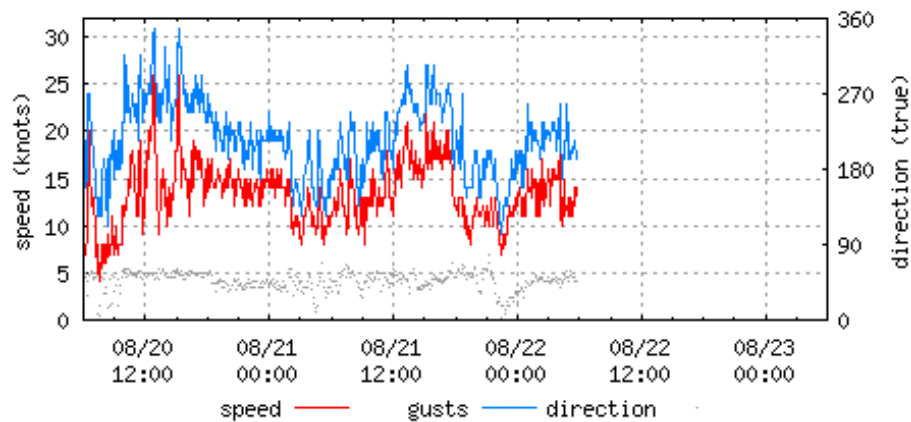
Observed: -1.92 ft. Predicted: -2.10 ft. Residual: 0.18 ft.

Historical Maximum Water Level: Aug 21 2017, 1.33 ft.

Next High Tide: 08/22/2018 13:20 (HST), 0.12 ft.

NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI

Wind Speed / Gusts / Direction

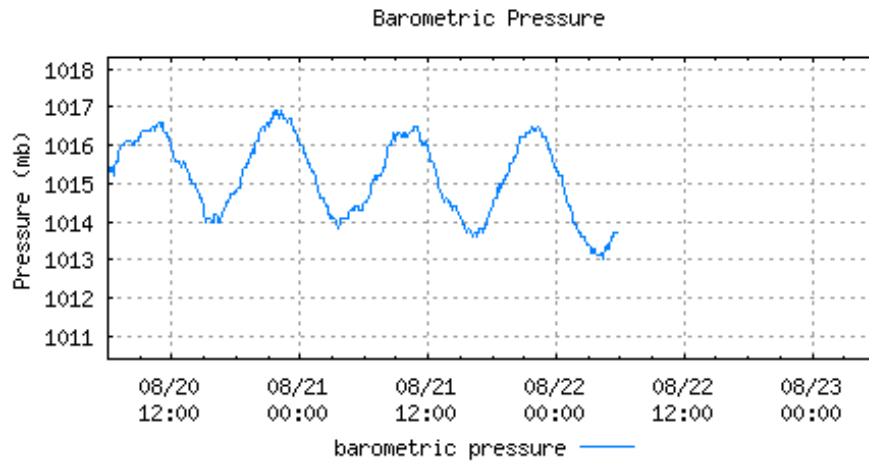


Last Observed Sample: 08/22/2018 05:42 (HST)

Wind Speed: 14 knots Gusts: 17 knots Direction: 46° T



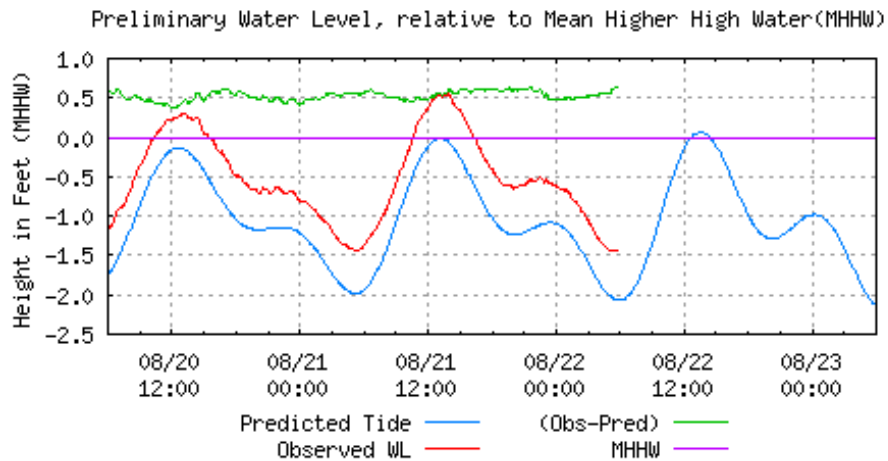
NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI



Last Observed Sample: 08/22/2018 05:42 (HST)

Barometric Pressure: 1013.7 mb

NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI



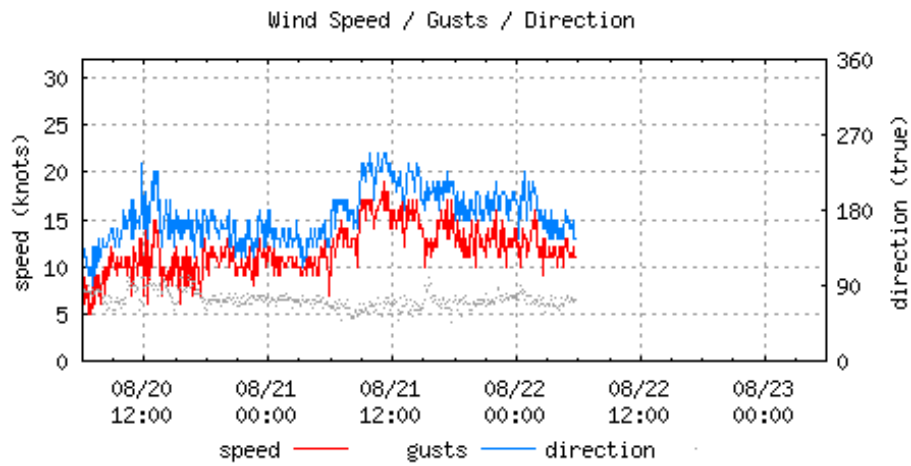
Last Observed Sample: 08/22/2018 05:42 (HST). Data relative to MHHW

Observed: -1.44 ft. Predicted: -2.07 ft. Residual: 0.63 ft.

Historical Maximum Water Level: Aug 21 2017, 1.47 ft.

Next High Tide: 08/22/2018 13:32 (HST), 0.06 ft.

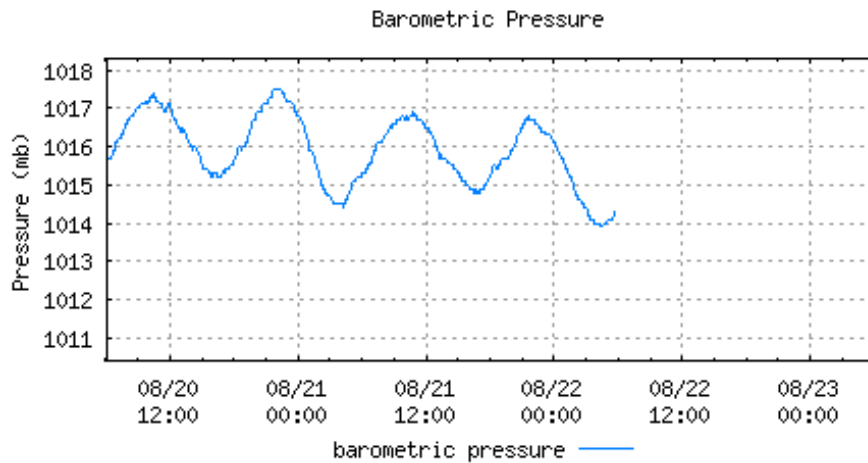
NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI



Last Observed Sample: 08/22/2018 05:42 (HST)

Wind Speed: 11 knots Gusts: 13 knots Direction: 73° T

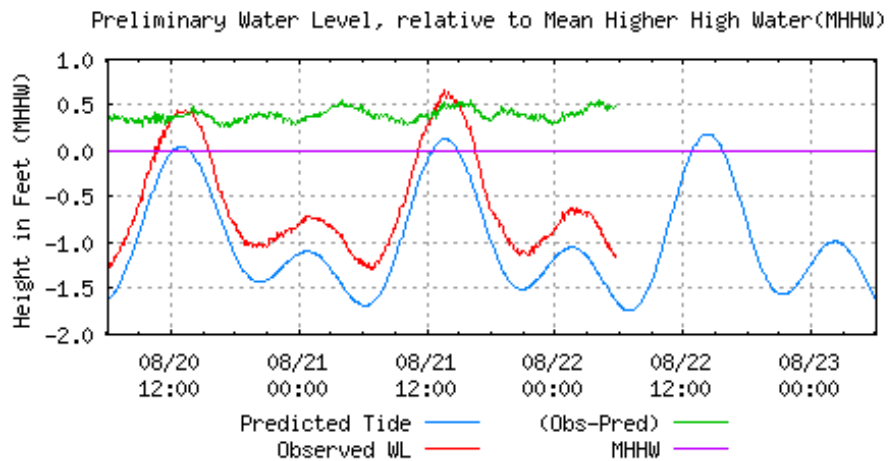
NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI



Last Observed Sample: 08/22/2018 05:42 (HST)

Barometric Pressure: 1014.3 mb

NOAA/NOS/CO-OPS 1612340 Honolulu, HI



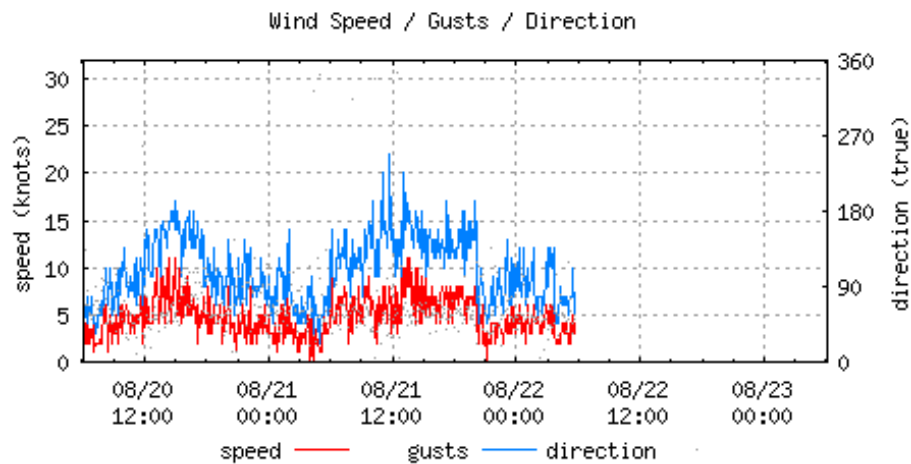
Last Observed Sample: 08/22/2018 05:42 (HST). Data relative to MHHW

Observed: -1.15 ft. Predicted: -1.63 ft. Residual: 0.48 ft.

Historical Maximum Water Level: Sep 11 1992, 1.47 ft.

Next High Tide: 08/22/2018 14:17 (HST), 0.19 ft.

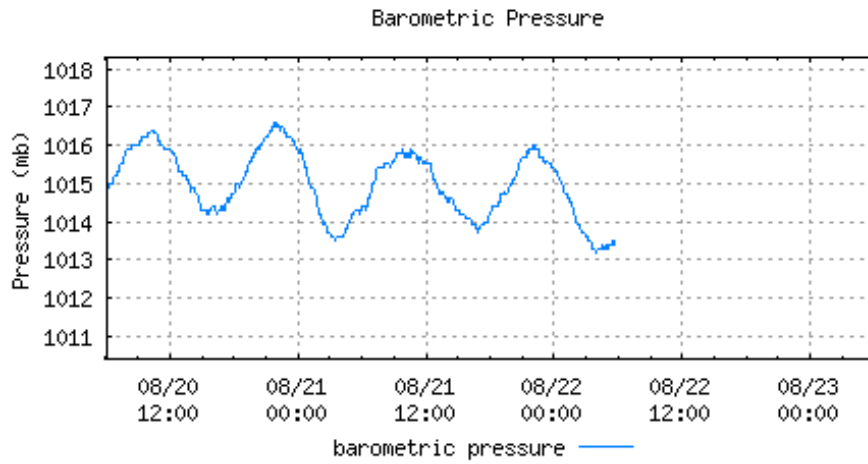
NOAA/NOS/CO-OPS 1612340 Honolulu, HI



Last Observed Sample: 08/22/2018 05:42 (HST)

Wind Speed: 4 knots Gusts: 7 knots Direction: 56° T

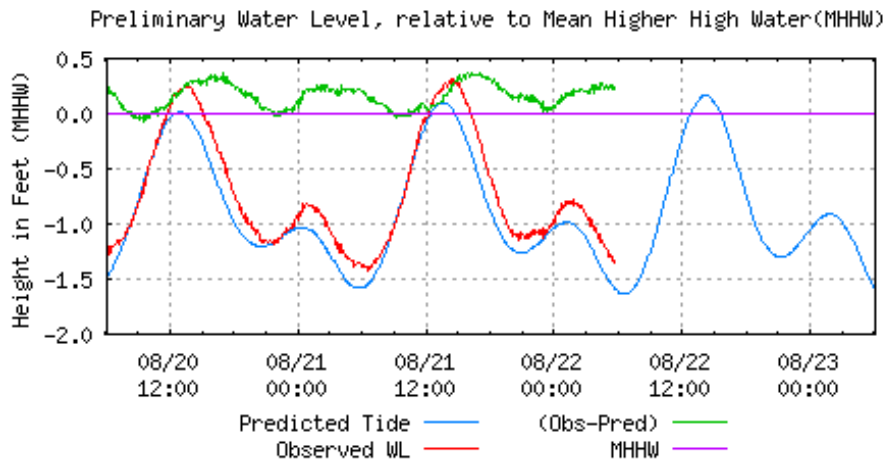
NOAA/NOS/CO-OPS 1612340 Honolulu, HI



Last Observed Sample: 08/22/2018 05:42 (HST)

Barometric Pressure: 1013.5 mb

NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI



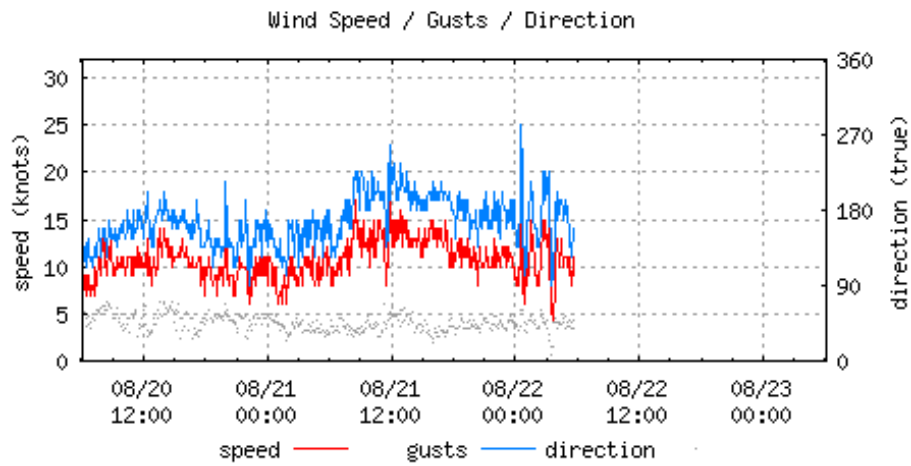
Last Observed Sample: 08/22/2018 05:42 (HST). Data relative to MHHW

Observed: -1.36 ft. Predicted: -1.59 ft. Residual: 0.23 ft.

Historical Maximum Water Level: Sep 11 1992, 3.15 ft.

Next High Tide: 08/22/2018 14:11 (HST), 0.16 ft.

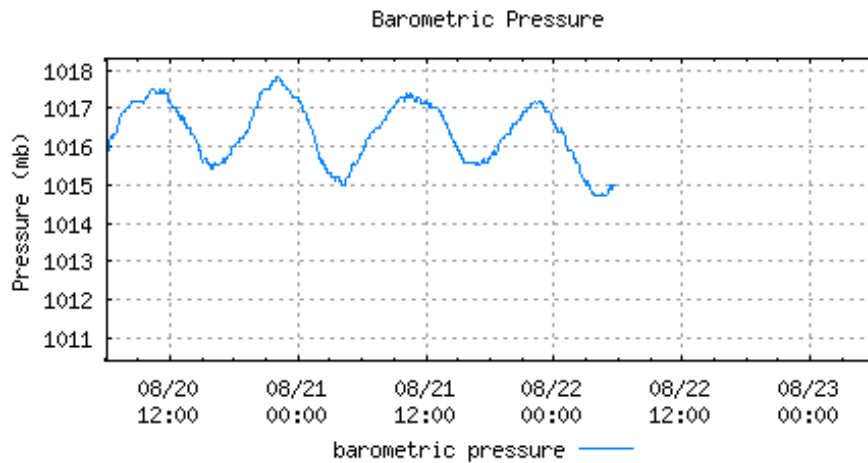
NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI



Last Observed Sample: 08/22/2018 05:42 (HST)

Wind Speed: 9 knots Gusts: 13 knots Direction: 39° T

NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI



Last Observed Sample: 08/22/2018 05:42 (HST)

Barometric Pressure: 1015.0 mb

Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
1617760	Hilo, Hilo Bay, Kuhio Bay, HI	08/22/2018 05:42 (HST)	-1.85 ft	-2.21 ft	0.36 ft	0.28 ft
1617433	Kawaihae, HI	08/22/2018 05:42 (HST)	-1.35 ft	-1.90 ft	0.55 ft	0.41 ft
1615680	Kahului, Kahului Harbor, HI	08/22/2018 05:42 (HST)	-1.92 ft	-2.10 ft	0.18 ft	0.44 ft
1612480	Mokuoloe, HI	08/22/2018 05:42 (HST)	-1.44 ft	-2.07 ft	0.63 ft	0.55 ft
1612340	Honolulu, HI	08/22/2018 05:42 (HST)	-1.15 ft	-1.63 ft	0.48 ft	0.66 ft
1611400	Nawiliwili, HI	08/22/2018 05:42 (HST)	-1.36 ft	-1.59 ft	0.23 ft	0.32 ft

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)  
National Oceanic and Atmospheric Administration | U.S. Department of Commerce